

Converting Colors

XYZ(20.9653, 14.4422, 27.8474)

Have a look what the booklet for
XYZ(20.9653, 14.4422, 27.8474)
contains.

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Color

**XYZ(20.9635, 14.4928,
27.6791)**

Conversions

Conversions Part 1

Format	Color
Hex	99508F
RGB	153, 80, 143
RGB Percent	60%, 31%, 56%
CMY	0.4000, 0.6863, 0.4392
CMYK	0.00, 0.48, 0.07, 0.40
HSL	308°, 31%, 46%
HSV	308°, 48%, 60%
XYZ	20.9635, 14.4928, 27.6791
YIQ	109.0090, 23.2850, 35.0690

Conversions

Conversions Part 2

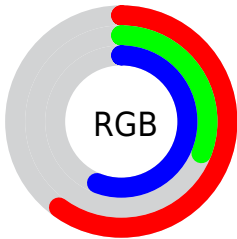
Format	Color
R_{YB}	153, 80, 143
Decimal	10047631
CIE _{Lab}	44.93, 39.46, -21.64
CIE _{LCh}	45, 45.005, 331.259
Yxy	14.4928, 0.3320, 0.2296
Android (android.graphics.Color)	4288237711 (0xFF99508F)
YUV	109.0090, 16.7576, 38.5801
Hunter-Lab	38.0694, 31.6723, -16.4594

Details

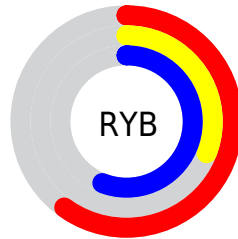
The XYZ color **20.9635, 14.4928, 27.6791** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.5456, 25.2267, 13.6710**, and the grayscale version is **14.4882, 15.2427, 16.5993**.

A 20% lighter version of the original color is **44.6238, 34.0891, 57.0512**, and **7.6516, 4.4106, 10.5733** is the 20% darker color. If you saturate the color by 10%, you get **19.8110, 12.4393, 26.5189**, and if you desaturate by 10%, it is **22.3750, 17.0590, 28.9406**.

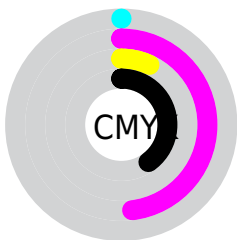
Distribution



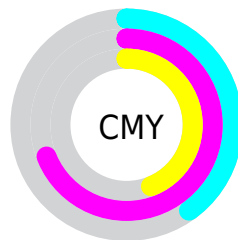
- Red (60%)
- Green (31%)
- Blue (56%)



- Red (60%)
- Yellow (31%)
- Blue (56%)



- Cyan (0%)
- Magenta (48%)
- Yellow (7%)
- Black (40%)



- Cyan (40%)
- Magenta (69%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9635, 14.4928, 27.6791 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.9635, 14.4928, 27.6791 by changing the saturation by 10% instead.

20.9635, 14.4928,
27.6791

20.9635, 14.4928,
27.6791

249.8198,
220.2754, 304.7939

13.2096, 8.4642,
17.8470

44.5185, 33.9609,
56.9886

7.6511, 4.3934,
10.6719

61.0504, 48.1692,
77.3031

3.9224, 1.8960,
5.7353

81.2389, 65.8729,
101.9488

1.6583, 0.5460,
2.6186

105.4496, 87.4563,
131.3441

0.4300, 0.0000,
0.9020

134.0476,
113.3039, 165.9078

0.0000, 0.0000,
0.0000

167.3984,

143.8000, 206.0583

205.8674,
179.3290, 252.2141

■ 20.9635, 14.4928,
27.6791

■ 20.9635, 14.4928,
27.6791

■ 19.8110, 12.4393,
26.5189

■ 22.3750, 17.0590,
28.9406

■ 18.8985, 10.8614,
25.4531

■ 24.0600, 20.1677,
30.3078

■ 18.2068, 9.7203,
24.4754

■ 26.0336, 23.8488,
31.7860

■ 17.7128, 8.9700,
23.5780

■ 28.3093, 28.1293,
33.3798

■ 17.3756, 8.5287,
22.7472

■ 30.8999, 33.0348,
35.0935

■ 17.3047, 8.4395,
22.5611

■ 33.8174, 38.5890,
36.9311

■ 37.0730, 44.8148,
38.8967

■ 40.6777, 51.7336,
40.9937

■ 44.6416, 59.3661,
43.2257

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.7859, 14.4928, 40.2404



20.9635, 14.4928, 27.6791



22.1368, 14.4928, 15.3389

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.9635, 14.4928, 27.6791



13.6200, 14.4928, 2.9487



8.5650, 14.4928, 28.8164

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.9635, 14.4928, 27.6791



16.5456, 25.2267, 13.6710

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



7.8389, 14.4928, 16.2298



20.9635, 14.4928, 27.6791



10.4175, 14.4928, 4.0175

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.9635, 14.4928, 27.6791



17.4684, 14.4928, 3.8412



8.4522, 14.4928, 7.8991



10.6427, 14.4928, 41.0776

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.9635, 14.4928, 27.6791



21.4845, 14.4928, 9.5100



8.4522, 14.4928, 7.8991



8.1733, 14.4928, 24.3347

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.9640, 14.4935, 27.6794



47.9597, 45.2186, 57.8805



12.8097, 10.1983, 31.4308



10.4173, 9.6605, 12.6576



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.9640, 14.4935, 27.6794



35.4024, 22.1430, 47.4089



18.6477, 13.5670, 15.4822



6.4248, 6.3091, 7.6172



14.3108, 6.9785, 18.6934



0.2227, 0.1078, 0.3258

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.9640, 14.4935, 27.6794



35.4024, 22.1430, 47.4089



18.4811, 26.0009, 23.8630



6.4248, 6.3091, 7.6172



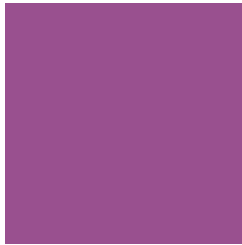
14.3108, 6.9785, 18.6934



0.2227, 0.1078, 0.3258

Previews

White Background



This preview shows how the XYZ color 20.9635, 14.4928, 27.6791 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.9635, 14.4928, 27.6791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

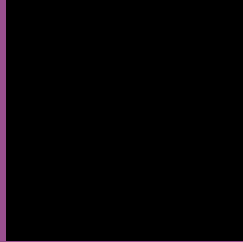
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9635, 14.4928, 27.6791

Background



This preview shows how black text looks on a background with the XYZ color 20.9635, 14.4928, 27.6791.



This preview shows how white text looks on a background with the XYZ color 20.9635, 14.4928,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.9635, 14.4928, 27.6791

Protanopia

15.5002, 14.7259, 36.6758

Deuteranopia

14.9673, 14.6766, 26.4701



Tritanopia

18.0266, 14.4713, 13.1524

Trichromacy



Original Color

20.9635, 14.4928, 27.6791

Protanomaly

16.6140, 14.0810, 33.2947

Deuteranomaly

16.5242, 14.1811, 26.6773

Tritanomaly

18.9427, 14.3545, 17.6919

Monochromacy



Original Color

20.9635, 14.4928, 27.6791

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.2763, 14.4758, 20.0254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9635, 14.4928, 27.6791 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 80, 143)` looks like.

```
.text, #text, p{  
    color:rgb(153, 80, 143)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 80, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 80, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.9635, 14.4928, 27.6791 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 80, 143) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(153, 80, 143) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(153, 80, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 80, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 80, 143);  
box-shadow:4px 4px 4px 4px rgb(153, 80,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9635, 14.4928, 27.6791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 80, 143) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153, 80,  
143) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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